CIVIL PRO
AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

To,

Date: 06-02-2019

ASSISTANT EXECUTIVE ENGINEER

YELAHANKA SUB DIVISION

BBMP

BANGALORE

Dear Sir,

Sub: M/s. Civil Pro Services for the work of IMPROVEMENTS TO ROADS AND DRAINS AT HAROHALLI COLONY IN WARD NO:02 OF YELAHANKA SUB DIVISION.

Ref: 1. Work Order No: EE(YNK.D)E-PMT-23/WO/000017/2018-19

2. Job code: 002-18-000039

We are herewith forwarding to Sri. Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64. First and Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 53,73,000 /- (Rs. Fifty Three Lakhs SeventyThree Thousand Only).

Thanking you,

AE-2

AE-02

Yours faithfully,

For Civil Pro

R. KARTHIK RECHAN
AUTHORIZED SIGNATORY
CIVIL PRO

CIVIL PRO BANGALORE
Sig.....
Date.....

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-02-05-08** **Date: 24-08-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No.987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-08-2018
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	22-08-2018
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.46	-
2	Finess by Air permeablity method (m^2/kg,Min)	255.8	225m^2/kg, Min
3	Density (gm/cc)	3.12	-
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	175 minutes	Not less than 30 minutes
6	Final Setting time	280 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1mm	Not more than 10 mm

AE-2
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Note:

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Samples will be disposed after 90 days from the date of issue of test certificate

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro BANGALORE Sig Date

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-02-05-08** **Date: 24-08-2018**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	21-08-2018
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	21-08-2018

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	234	234	1.6	98.4	90-100
3	20 mm	5334	5568	37.1	62.9	30-70
4	10 mm	4788	10356	69.0	31.0	10-35
5	4.75 mm	4354	14710	98.1	1.9	0-5
6	Pan	290	15000	100.0	0	---

AE-2
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Page 1/2

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-02-05-08** **Date: 23-08-2018**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-08-2018
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	21-08-2018

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	245	245	4.9	95.1	90-100
3	10 mm	2675	2920	58.4	41.6	25-55
4	4.75 mm	1798	4718	94.4	5.6	0-10
5	Pan	282	5000	100	0	-

AE-2
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CIVIL PRO Sig Date BANGALORE

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Date: 23-08-2018

Lab ID	:	**CP-2019-02-05-08**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-08-2018
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	21-08-2018
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	82	82	8.2	91.8	90-100	90-100	90-100	95-100
3	2.36 mm	165	247	24.7	75.3	60-95	75-100	85-100	95-100
4	1.18 mm	177	424	42.4	57.6	30-70	55-90	75-100	90-100
5	600 micron	182	606	60.6	39.4	15-34	35-59	60-79	80-100
6	300 micron	177	783	78.3	21.7	5-20	8-30	12-40	15-50
7	150 micron	134	917	91.7	8.3	0-10	0-10	0-10	0-15
8	Pan	83	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 19/09/2018

Lab ID	:	**CP-2019-02-05-08**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-09-2018
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	19/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	12/09/2018	19/09/2018	150.58 X 151.26 X 149.73	22777	8.572	413.9	18.2	18.4
2	Drain Bottom Slab Concrete	M20	12/09/2018	19/09/2018	149.41 X 151.82 X 149.64	22684	9.030	411.5	18.1	
3	Drain Bottom Slab Concrete	M20	12/09/2018	19/09/2018	149.65 X 150.82 X 151.56	22570	8.164	427.3	18.9	

Note:
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig Date BANGALORE

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIAL

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2019-02-05-08

Customer : Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore. **Date: 19/09/2018**

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.

Agency : Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-23/WO/000017/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-09-2018

Customer ID : Drain Bottom Slab Concretete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Slab Concretete	M20	12/09/2018	19/09/2018	151.65 X 151.89 X 149.76	23034	8.572	418.5	18.2	18.6
2	Drain Bottom Slab Concretete	M20	12/09/2018	19/09/2018	151.09 X 149.98 X 149.69	22660	9.030	423.9	18.7	
3	Drain Bottom Slab Concretete	M20	12/09/2018	19/09/2018	150.76 X 151.94 X 149.29	22906	8.164	434.9	19.0	

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Authorized Signatory
Quality Manager

CIVIL PRO BANGALORE Sig Date

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 19/09/2018

Lab ID	:	CP-2019-02-05-08
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-09-2018
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	12/09/2018	19/09/2018	151.05 X 150.03 X 150.10	22661	8.572	419.4	18.5	18.6
2	Drain Bottom Slab Concrete	M20	12/09/2018	19/09/2018	151.21 X 151.91 X 151.34	22969	9.030	423.3	18.4	
3	Drain Bottom Slab Concrete	M20	12/09/2018	19/09/2018	151.40 X 150.88 X 150.95	22843	8.164	431.2	18.9	

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Authorized Signatory
Quality Manager

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****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-02-05-08

Date: 24/09/2018

Customer : Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.

Agency : Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-23/WO/000017/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-09-2018

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	17/09/2018	24/09/2018	151.22 X 151.58 X 149.75	22921	8.572	420.7	18.4	18.5
2	Drain Side Wall Concrete	M20	17/09/2018	24/09/2018	151.33 X 149.76 X 151.89	22664	9.030	427.8	18.9	
3	Drain Side Wall Concrete	M20	17/09/2018	24/09/2018	149.53 X 151.44 X 151.11	22644	8.164	414.8	18.3	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro BANGALORE Sig Date

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 24/09/2018

Lab ID	:	CP-2019-02-05-08
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-09-2018
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	17/09/2018	24/09/2018	149.11 X 149.88 X 149.11	22349	8.572	416.1	18.6	18.5
2	Drain Side Wall Concrete	M20	17/09/2018	24/09/2018	149.14 X 151.46 X 151.13	22588	9.030	414.8	18.4	
3	Drain Side Wall Concrete	M20	17/09/2018	24/09/2018	149.93 X 151.79 X 150.64	22758	8.164	422.4	18.6	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro BANGALORE Sig. Date

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6620@
HIGHWAY

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 24/09/2018

Lab ID	:	**CP-2019-02-05-08**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-09-2018
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	17/09/2018	24/09/2018	151.07 X 150.89 X 149.06	22795	8.572	419.6	18.4	18.3
2	Drain Side Wall Concrete	M20	17/09/2018	24/09/2018	151.59 X 151.82 X 151.74	23014	9.030	426.3	18.5	
3	Drain Side Wall Concrete	M20	17/09/2018	24/09/2018	152.00 X 149.23 X 151.00	22683	8.164	410.5	18.1	

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R KARTHIK RECHAN
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Quality Manager

CIVIL Pro BANGALORE Sig..... Date.....

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilpromgmt@gmail.com
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/09/2018

Lab ID	:	CP-2019-02-05-08
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-09-2018
Customer ID	:	RCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	27/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC	M20	20/09/2018	27/09/2018	151.11 X 149.32 X 150.27	22564	8.572	412.0	18.3	18.5
2	RCC	M20	20/09/2018	27/09/2018	150.58 X 149.67 X 151.59	22537	9.030	420.3	18.7	
3	RCC	M20	20/09/2018	27/09/2018	151.07 X 149.04 X 150.56	22516	8.164	417.8	18.6	

Note:
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig Date

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/09/2018

Lab ID	:	CP-2019-02-05-08
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-09-2018
Customer ID	:	RCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC	M20	20/09/2018	27/09/2018	151.50 X 151.12 X 150.59	22895	8.572	429.4	18.8	18.6
2	RCC	M20	20/09/2018	27/09/2018	149.82 X 149.41 X 150.62	22383	9.030	406.4	18.2	
3	RCC	M20	20/09/2018	27/09/2018	150.70 X 149.27 X 149.63	22496	8.164	427.3	19.0	

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Authorized Signatory
Quality Manager

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
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Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	**CP-2019-02-05-08** **Date: 28-08-2018**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-08-2018
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	27-08-2018

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.395	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.618	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.886	544	668	20.0%	Satisfactory	Satisfactory

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Authorized Signatory
Quality Manager

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Date: 03-09-2018

Lab ID	:	CP-2019-02-05-08
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	30-08-2018
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	30/08/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.55	100.47	1.116	4482	80.9	18.0	16.8	21.0
2	Cover Slab-2	75.48	100.53	1.122	4474	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.53	100.52	1.118	4480	81.5	18.2	16.9	21.1

Note:

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Authorized Signatory
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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE KERB STONE

Lab ID	:	**CP-2019-02-05-08**	**Date: 10-09-2018**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.	
Address	:	Yelahanka Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to Roads and Drains at Harohalli Colony in Ward No:02 of Yelahanka Sub Division.	
Agency	:	Sri.Sridhar.Y.R No:987, O.M.S. Road, Yelahaka, Bangalore-64	
Customer's Reference	:	EE(YNK.D)E-PMT-23/WO/000017/2018-19	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	06-09-2018	
Sample Type /Size	:	CC Kerb Stone/ 450*165*400mm	
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete	
Date of test	:	06/09/2018	

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
1	A	100.01	165.53	2.866	7854	142.1	18.1	18.1	22.6
2	B	100.03	165.49	2.794	7857	145.2	18.5	18.5	23.1
3	C	100.02	165.52	2.817	7856	145.1	18.5	18.5	23.1

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Quality Manager

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